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**TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Mail Stop: Patent Application  
Alexandria, VA. 22313-1450

August 8, 2003

Agfa File No. XP-1134

Dear Sir or Madam:

Enclosed herewith are a title page, an 11 page specification including an abstract and 3 pages of claims, 1 page of drawings, a Declaration and Power of Attorney, an Assignment, PTO Form-1595, an Information Disclosure Statement, a PTO Form-1449, a reference, a Certificate of Express Mailing and a postcard in connection with an application of John F. Nolan for a patent entitled **VORTEX LASER CHILLER AND THERMAL CONTROL SYSTEM**.

Basic Fee -----	\$ 760.00
Additional Fees:	
21 total claims -----	\$ 18.00
3 independent claims filed-----	\$ .00
0 multiple dependent claims -----	\$ .00
Assignment -----	\$ 40.00
Total Fee -----	\$ 818.00

Please charge the above and any other fees due and/or credit any overpayment to Deposit Account No. 13-3377 under this general authorization.

Please address all communications from the Patent Office in connection with this application to Agfa Corporation, Law & Patent Department, 200 Ballardvale Street, Wilmington, Massachusetts 01887-1069.

Respectfully,



Robert A. Sabourin  
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RAS/pc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl'n of: John Nolan Group: Not yet assigned  
Appl'n No.: Not yet assigned Examiner: Not yet assigned  
Filed: August 8, 2003  
For: VORTEX LASER CHILLER AND THERMAL CONTROL SYSTEM

**EXPRESS MAILING CERTIFICATION**

Commissioner for Patents  
P.O. Box 1450  
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Alexandria, VA 22313-1450

August 8, 2003

Dear Sir or Madam:

I hereby certify that an 11 page specification including 3 pages of claims and one page of drawings, a Declaration and Power of Attorney, an Assignment, PTO Form 1595, an Information Disclosure Statement, a PTO Form-1449, a reference, a Transmittal Letter and a postcard are being deposited on August 8, 2003 with the United States Postal Service with sufficient postage as Post Office Express Mail to Addressee No. ER 304169455 US In an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Mail Stop Patent Applications, Alexandria, VA 22313-1450.

Respectfully,

  
Lynne M. Hawkes  
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